

U.S. ENVIRONMENTAL PROTECTION AGENCY
 POLLUTION/SITUATION REPORT
 Portage Creek Area - Removal Polrep



US EPA RECORDS CENTER REGION 5



435662

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region V**

Subject: POLREP #17
 Progress
 Portage Creek Area
 059B05
 Kalamazoo, MI
 Latitude: 42.2839750 Longitude: -85.5791570

To: Sam Borries, U.S. EPA
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 Todd Goeks, NOAA
 Valencia Darby, Department of Interior
 Mark Johnson, ATSDR

From: Craig Thomas, On-Scene Coordinator

Date: 8/31/2012

Reporting Period: 8/18/2012 - 8/31/2012

1. Introduction

1.1 Background

Site Number:	059B05	Contract Number:	EP-S5-09-05
D.O. Number:	0087	Action Memo Date:	7/5/2011
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	NPL	Operable Unit:	05
Mobilization Date:	9/26/2011	Start Date:	8/30/2011
Demob Date:		Completion Date:	
CERCLIS ID:	MID006007306	RCRIS ID:	NA
ERNS No.:		State Notification:	Yes
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Fund-lead removal action

1.1.2 Site Description

See POLREP #1

1.1.2.1 Location

See POLREP #1

1.1.2.2 Description of Threat

See POLREP #1

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See POLREP #1

2. Current Activities**2.1 Operations Section****2.1.1 Narrative**

Dredging operations began in SA5D (Upjohn Park) on August 20. Contaminated sediment removal and backfilling was completed in grids SA5D-1 to SA5D-8 by August 31. Visible gross contamination and elevated PCB test results at target excavation depths (see Sections 2.1.2, 2.2 and 2.2.2) required additional excavation to meet the clean-up performance standard. Preparations are underway to begin dredging operations in SA5C immediately following completion of dredging/backfilling operations in SA5D.

2.1.2 Response Actions to Date

From August 18 to August 31, EPA, START and ERRS contractors conducted the following activities:

Site Activities - SA5D & SA5C

- Constructed sand-bag coffer dam to facilitate groundwater de-watering between the Upjohn Park footbridge and Crosstown Parkway;
- Removed the Upjohn Park footbridge to facilitate access for contaminated sediment excavation operations;
- Extended temporary fencing from the Upjohn Park footbridge to Crosstown Parkway;
- Fenced off sensitive drip line areas for trees in SA5C;
- Installed groundwater dewatering system from the Upjohn Park footbridge to Crosstown Parkway; and
- Excavated contaminated sediments from grids SA5D-1 to SA5D-8.

GRID	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION PCB RESULT (mg/kg)
SA5D-1	54	ND
SA5D-2	60	0.098
SA5D-3	56	0.17
SA5D-4	59	0.21
SA5D-5	59	ND
SA5D-6	56	ND
SA5D-7	50	ND
SA5D-8	60	0.86

ND: non-detect

Site Activities - Axtell Creek

- Removed isolation (groundwater) de-watering system, and
- Abandoned and sealed de-watering well boreholes with bentonite clay.

Site Activities - Staging Pad

- Solidified and loaded out approximately 647.41 tons of TSCA (> 50ppm PCBs) contaminated sediments for disposal at Wayne Disposal landfill in Belleville, Michigan;
- Solidified and loaded out approximately 2269.45 tons of non-TSCA (< 50ppm PCBs) contaminated sediments for disposal at C&C Landfill in Marshall, Michigan; and
- Treated 25,582 gallons of potentially contaminated contact water in EPA's mobile wastewater treatment

plant, with a total of 471,083 gallons treated to date.

Project Management Activities

- Continued weekly progress meetings with City of Kalamazoo;
- Conducted data validation for post-removal confirmation sediment samples collected from SA5D;
- Met with Bronson Methodist Hospital officials regarding planning for access in SA5A; and
- Received post-excavation structural assessment for SA6.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

The major PRP for this portion of the Allied Paper Inc./Portage Creek/Kalamazoo River Superfund site was dissolved through bankruptcy proceedings in April 2010. Other PRPs are being evaluated.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
TSCA contaminated sediments	solidified sediment	647.41 tons (est)	009077454JJK to 009077466JJK	disposal	Wayne Disposal, Belleville, MI
Non-TSCA contaminated sediments	solidified sediment	2269.45 tons (est)	NTSCA-101 to NTSCA-144	disposal	C&C Landfill, Marshall MI
Scrap Tires	solid	57 tires	JC8-28-1	recycling	Entech, Inc, White Pigeon, MI
Corrugated cardboard boxes	solid	100 lbs	NA	recycling	municipal drop-off center
Dry cell batteries	solid	25 lbs	NA	recycling	federal drop-off center

2.2 Planning Section

A summary of removal activities that will take place from September 1 through September 14 include:

Site Activities - Staging Pad

- Continue de-watering and solidification of excavated sediments for transport;
- Continue transport of solidified sediments for disposal; and
- Continue treatment of contaminated water in EPA's mobile waste water treatment plant.

Site Activities - SA5D & SA5C

- Excavate, solidify and transport for disposal contaminated sediments from Portage Creek in grids SA5D-9 to SA5D-17 (between the Upjohn Park footbridge and Crosstown Parkway);
- Backfill grids SA5D-9 to SA5D-17 according to Restoration Plan;
- Install groundwater de-watering system from Crosstown Parkway to Vine Street;
- Install fencing on east and west banks between Crosstown Parkway & Vine Street; and
- Install wooden platform working surface on west bank of Portage Creek between Crosstown Parkway and Vine Street to support heavy equipment.

Project Management Activities

- Continue weekly progress meetings with City of Kalamazoo; and
- Complete pre-excavation assessments of SA5A and SA3A.

2.2.1 Anticipated Activities

See POLREP #2

2.2.1.1 Planned Response Activities

See above

2.2.1.2 Next Steps

See above

2.2.2 Issues

- Excavation of grids to initial target depths revealed visual paper pulp material. Therefore, many grids were over-excavated until that material was no longer visible. Grid SA5D-7 was sampled at the initial target depth (36 inches), to verify that the suspected paper pulp material exceeded project performance standards. All confirmatory sample results from over-excavation in grids SA5D-1 to SA5D-8 were under the performance standard of 10 mg/kg as well as the performance standard goal of 1 mg/kg as listed below (see table).

GRID	INITIAL TARGET DEPTH (in)	INITIAL PCB RESULT (mg/kg)	OVER DIG (in)	TOTAL ESTIMATED DEPTH (in)	FINAL DEPTH PCB RESULT (mg/kg)
SA5D-1	30	--	24	54	ND
SA5D-2	30	--	30	60	0.098
SA5D-3	30	--	26	56	0.17
SA5D-4	36	--	23	59	0.21
SA5D-5	36	--	23	59	ND
SA5D-6	36	--	20	56	ND
SA5D-7	36	154	14	50	ND
SA5D-8	36	--	24	60	0.86

- The additional over-excavation in grids SA5D-1 to SA5D-8 in Portage Creek resulted in increased costs and added expenses for personnel, equipment, transportation, disposal, sampling and backfill material.

2.3 Logistics Section

The current resources present on site during this reporting period include:

- Office trailers
- Portable restrooms and hand-washing stations
- Portable generators
- Submersible pumps
- Equipment storage container
- ERRS work crews and subcontractor work crews
- START sampling contractor
- Heavy equipment
- Water truck
- Street sweeper
- Mixing boxes
- Frac (water) tank
- Pressure wash trailer
- Bypass pumps and piping
- Sheet piling and steel bridge personnel support structures
- Mobile wastewater treatment plant
- Temporary steel bridge
- Monitoring Equipment

2.4 Finance Section

2.4.1 Narrative

See table

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining

Extramural Costs				
ERRS - Cleanup Contractor	\$5,200,000.00	\$4,040,000.00	\$1,160,000.00	22.31%
TAT/START	\$300,000.00	\$214,000.00	\$86,000.00	28.67%
Intramural Costs				
Total Site Costs	\$5,500,000.00	\$4,254,000.00	\$1,246,000.00	22.65%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

Craig Thomas and Paul Ruesch serve as safety officer(s). The HASP is reviewed and signed by all site personnel. All new personnel, including sub-contractors, are provided a site orientation and safety briefing. Safety meetings are held each morning with all site workers.

A safety audit was conducted on August 30 by Federal Occupational Health. A few minor issues were identified which will be corrected in the next reporting period.

2.6 Liaison Officer

Craig Thomas and Paul Ruesch serve as liaison(s) with local officials and interested parties.

2.7 Information Officer

See Section 2.6

2.7.1 Public Information Officer

See Section 2.6

2.7.2 Community Involvement Coordinator

Don DeBlasio - U.S. EPA

3. Participating Entities

3.1 Unified Command

N/A

3.2 Cooperating Agencies

U.S. Environmental Protection Agency
 Michigan Department of Environmental Quality
 Michigan Department of Agriculture and Rural Development
 Michigan Department of Natural Resources
 U.S. Fish and Wildlife Service
 City of Kalamazoo:
 Department of Public Services
 Parks and Recreation Department
 Economic Development Department
 Community Planning & Development
 Public Safety Department
 Fire Department
 Police Department

ReDevelopment Department
Bronson Methodist Hospital
Kalamazoo Nature Center

4. Personnel On Site

U.S. EPA - 2
ERRS contractor (Environmental Quality Management, Inc) - 13
START contractor (Dynamac/Weston) - 1
CMC Contractors (excavation subcontractor) - 1
Rain for Rent (groundwater extraction subcontractor) - 2
Farm & Garden (fencing subcontractor) - 2

TOTAL PERSONNEL = 19

5. Definition of Terms

C&D - Construction and Demolition (waste)
ERRS - Emergency and Rapid Response Services
FOSC - Federal On Scene Coordinator
U.S. FWS - United States Fish and Wildlife Service
HASP - Health and Safety Plan
HDPE - High density polyethylene (plastic)
mg/kg - milligrams per kilogram
mg/m3 - milligrams per cubic meter
MDARD - Michigan Department of Agriculture and Rural Development
MDEQ - Michigan Department of Environmental Quality
NA - Not Applicable
NOAA - National Oceanic and Atmospheric Administration
NPL - National Priorities List
NRDA - Natural Resource Damage Assessment
ntu - nephelometric turbidity units
PCB - polychlorinated biphenyl
ppm - parts per million
PRPs - Potentially Responsible Parties
RTK GPS - Real Time Kinematic Global Positioning System
SA - Slope Area
START - Superfund Technical Assessment and Response Team
U.S. EPA - United States Environmental Protection Agency

6. Additional sources of information

6.1 Internet location of additional information/report

See the project website at <http://www.epaosc.org/portagecreekarea>.

6.2 Reporting Schedule

The next POLREP will be generated in approximately 2 weeks.

7. Situational Reference Materials

See the project website at <http://www.epaosc.org/portagecreekarea>.

Additional information on the overall Kalamazoo River Project can be found at
<http://www.epa.gov/Region5/cleanup/kalproject/index.htm>.





